

BRUHATH BENGALURU MAHANAGARA PALIKE

Executive Engineer
Yelahanka Division

B.B.M.P. Bengaluru - 64

No.EE/YNK-D/E-PMT/01/2015-16 Dated: 04-01-2016

Modified Approved Tender Schedule - B

Item No:65

Name of Work: Drilling of borewells and providing pump and motors in ward no:04 of Yelahanka Satellite Town Sub Division (instead of Drilling of borewells and providing pump and motors in ward no:1)

Sl	Description of work	Unit	Approved Qty	Rate Quoted by the Contractor Approved Rates Sri B P MAHESHH	
				Rate	Amount
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Verner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality 1.0 meter in consolidated formation for proper sealing of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc., as per Specification and direction	Each	3.00	1900.00	Rupees one thousand nine hundred only
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all straits including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap etc.)	Rmtr			
	0 to 50 m				
	50 to 100 m		150.00	315.00	Rupees three hundred fifteen and paise zero only
	100 to 150 m		150.00	400.00	Rupees four hundred and paise zero only
	150 to 200 m		150.00	450.00	Rupees four hundred fifty and paise zero only
	200 to 250 m		150.00	484.00	Rupees four hundred eighty four and paise zero only
	250 to 300m		150.00	560.00	Rupees five hundred sixty and paise zero only
3	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material conforming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded conforming to IS 554 / 1985, one end fixed with a socket and the other end with a plastic protection and (including of all taxes)				
			150.00	600.00	Rupees six hundred and paise zero only
4	Providing 250mm dia PVC Pipe 6kg/cm as per specification and direction of the Engineer in Charge of the work	Rmtr	230.00	1200.00	Rupees one thousand two hundred and paise zero only
			30.00	750.00	Rupees seven hundred fifty and paise zero only

Sl	Description of work	Unit	Approved Qty	Rate Quoted by the Contractor Approved Rates Sri B P MAHESHH	
				Rate	Amount
5	Providing and fixing 175mm Borowell cap	No	3	100.00	Rupees One hundred and paise zero only
6	Supply and delivery at site brand New texmo/ innovel/ Lufax Sabar / Akalanal Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multi-stage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for operation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required accessories such as suction, casing suction strainers sand guard Non return valve etc. complete. The pump and motor shall form an integral unit with all the required fittings				
	12 50 HP 20 stage	No	2	58790.00	Rupees Fifty eight thousand seven hundred ninety only
7	Supplying of ISI marked galvanized mild steel tube (continuously welded electric resistance welded (ERW) high frequency induction welded (HFW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threated at one end and the other end and protected as per specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendment 1-5 and with all its latest amendments if any. The pipes supplied should be with BIS mark No 3/08-09 2406/AS 10 2008.	Rmtr	500.00	390.00	Rupees three hundred and paise zero only
8	SUPPLYING AND DRAWING 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor conforming to table 3 class 5 of IS 6130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P No. 46/ I No. 30-B 4.0 Sqmm of 36 strands 0.3mm dia Group - A KPVD Electrical SR 2007-08 3/2008-09 4538/19 01 2008 /1x3x4.00 8sqmm PVC cable	Mtr	1080.00	148.45	Rupees one hundred forty eight and paise forty five only
9	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps one borewell cap. Cable clips with bolts, nuts, valves gauges etc., involved in the job (Necessary GI pipe and specials will be supplied by the board at the site free of cost)	No	2.00	3000.00	Rupees three thousand and paise zero only
10	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc.	Each	2.00	285.00	Rupees two hundred eighty five and paise zero only
11	Supplying of LTUG cable having aluminium conductor PVC insulated sheathed, galvanised steel, wire / steel lap armoured cable with PVC outer sheathing 1.1 KV class	Mtr	60.00	150.00	Rupees one hundred fifty and paise zero only
12	Labour charges for laying of 1.1 K V class UG cable (PWD Electrical SR-1999-2000)	Mtr	60.00	8.00	Rupees eight and paise zero only
13	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete (as per Civil SR KSRB)	Mtr	50.00	60.00	Rupees sixty and paise zero only
14	Supplying and fixing of Class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class	Mtr	8.00	240.00	Rupees two hundred forty and paise zero only
15	Supplying and fixing L.T. cast iron pot head suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.	No	2.00	260.00	Rupees two hundred sixty and paise zero only
16	Supplying, fixing, wiring, earth electrode for grounding conduits 1C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal proportion of soft and charcoal 150 mm around the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 through holes of 122 mm dia. (PWD Electrical SR-1999-2000)	No	2.00	1950.00	Rupees one thousand nine hundred fifty and paise zero only
17	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete P No. 30/I No 3b	No	4.00	120.00	Rupees one hundred twenty and paise zero only

Sl	Description of work	Unit	Approved Qty	Rate Quoted by the Contractor Approved Rates Sri B P MAHESHH	
				Rate	Amount
18	KSRB 13-7.1-4 Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13	No	2.00	1579.00	Rupees one thousand five hundred seventy nine and paise zero only
19	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No. 84 / I. No. 13.81.3	Nos	2.00	227.00	Rupees two hundred twenty seven and paise zero only
20	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete	No	6.00	80.00	Rupees eighty and paise zero only
21	Supplying shunt capacitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications	No	2.00	350.00	Rupees three hundred fifty and paise zero only
22	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing material wiring complete as required 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications	No	2.00	1000.00	Rupees one thousand and paise zero only
23	Fabrication supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamel metal paint etc., complete box of 21600 sqcm	Sq. Cm	45800.00	0.33	Rupees zero and paise thirty three only
24	Supplying and delivery at site brand new star / Essent/ Lotus/Sun-shines/Adarsh GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset	No	2.00	11000.00	Rupees Eleven thousand and paise zero only
25	KSRB 2-2.2 Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, slacking the excavated soil clear from edges of excavation with lead upto 50m, specification, specification	Cum	622.08	251.00	Rupees two hundred fifty one and paise zero only
26	Providing and installation at site of works P.V.C.Pipes including cost of pipes and specials and including lowering into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe around to a depth Not less than 15cm with grave or selected earth available from the excavation Etc., Page No 3 item No.4.2 PRE SR2008-09, 75 mm dia 6 KSC PVC pipe	Rmtr	2304.00	161.00	Rupees one hundred sixty one and paise zero only
27	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50mm, and lift upto 1.5m, including cost of all labour complete as per specifications, No. 6/ Item No. 2.11/ PWD SR 2015-16	Cum	622.08	75.00	Rupees Seventy five and paise zero only
28	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No	Cum	18.00	2100.00	Rupees two thousand one hundred and paise zero only

R. P. Mahesh

Signature of the Contractor

S. P. Mahesh

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64.